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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/708,201	02/16/2004	Heng-Chien Chen	TRAP0005USA	2200
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NORTH AMERICA INTELLECTUAL PROPERTY CORPORATION P.O. BOX 506 MERRIFIELD, VA 22116			EXAMINER	
			BURROWES, LAWRENCE J	
			ART UNIT	PAPER NUMBER
			2619	
			NOTIFICATION DATE	DELIVERY MODE
			10/19/2007	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

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<b>Office Action Summary</b>	<b>Application No.</b>	<b>Applicant(s)</b>
	10/708,201 Examiner LAWRENCE J. BURROWES	CHEN, HENG-CHIEN Art Unit 2619

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) Responsive to communication(s) filed on 16 February 2004.
- 2a) This action is FINAL.                    2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) Claim(s) 1-11 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) Claim(s) \_\_\_\_\_ is/are allowed.
- 6) Claim(s) 1 and 3-11 is/are rejected.
- 7) Claim(s) 2 is/are objected to.
- 8) Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on 16 February 2004 is/are: a) accepted or b) objected to by the Examiner.  
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) All    b) Some \* c) None of:
  1. Certified copies of the priority documents have been received.
  2. Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)	4) <input type="checkbox"/> Interview Summary (PTO-413)
2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail Date. _____
3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)	5) <input type="checkbox"/> Notice of Informal Patent Application
Paper No(s)/Mail Date _____	6) <input type="checkbox"/> Other: _____

## DETAILED ACTION

### ***Claim Objections***

1. Claims 1-11 are objected to because of the following informalities:

In claims 1, it is suggested applicant change "claim 1" to ---claim 1---. Similar problem exists in claims 2-5 and 9.

In claims 6, it is suggested applicant change "claim 5" to ---claim 5---. Similar problem exists in claims 7 and 8

In claims 10, it is suggested applicant change "claim 9" to ---claim 9---. Similar problem exist in claim 11.

Appropriate correction is required.

### ***Claim Rejections - 35 USC § 102***

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claims 1, 3, 5, 6 and 9-10 are rejected under 35 U.S.C. 102(b) as being anticipated by Mohammed (6,041,356).

For claim 1, Mohammed disclose a method for IP address allocation (see column 1 lines 26-28, IP address assigned to client) of an IP-based extension (see Figure 1 Box 22, client PC), the method comprising: connecting the IP-based

extension to a network private branch exchange (NPBX) host (see column 2 lines 9-13, headend server could act as a gateway or router), the NPBX host being connected to the Internet (see column 4 lines 3-6, high speed data services with access to the internet) through a static IP address (see column 8 lines 16-20, static IP address); and the NPBX host allocating an IP address to the IP-based extension only when the IP-based extension is connected to the NPBX host (see column 8 lines 15-30, connection is established and IP address is assigned).

**Regarding claim 3**, wherein the IP-based extension is connected to the NPBX host through a network cable according to the IEEE 802.3 protocol (see column 2 lines 19-22, Ethernet).

**Regarding claim 4**, wherein the IP-based extension is wirelessly connected to the NPBX host through an access point according to the IEEE 802.11 protocol (see column 6 lines 31-31, the adapters connected to the server and client could be replaced with wireless adapters).

**Regarding claim 5**, wherein the IP-based extension is connected to the NPBX host through the Internet (see column 4 lines 3-6, internet high speed data services).

**Regarding claim 6**, wherein the IP-based extension is connected to the Internet through a network cable according to the IEEE 802.3 protocol (see column 2 lines 19-22, Ethernet).

**Regarding claim 7**, wherein the IP-based extension is wirelessly connected to the NPBX host through an access point according to the IEEE 802.11 protocol

(see column 6 lines 31-31, the adapters connected to the server and client could we replaced with wireless adapters).

**Regarding claim 9**, wherein when the IP-based extension is connected to the NPBX host, the IP-based extension downloads information from the NPBX host and uploads information to the NPBX host (see column 6 line 51 – column 7 line 11 and column 2 lines 10-14, upstream and downstream data exchanged between devices).

**Regarding claim 10**, wherein the IP-based extension downloads the IP address allocated by the NPBX host, the static IP address of the NPBX host, and data of the medium access control (MAC) layer in the transmission protocol from the NPBX host (see column 6 line 51 – column 7 line 11 and column 8 lines 16-20, MAC address and static IP address assigned through DHCP using downstream or upstream).

**Regarding claim 11**, wherein the IP-based extension uploads data of the MAC layer in the transmission protocol to the NPBX host (see column 6 line 51 – column 7 line 11 and column 8 lines 16-20, MAC address and static IP address assigned through DHCP using downstream or upstream).

#### ***Claim Rejections - 35 USC § 103***

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the

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invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. The factual inquiries set forth in *Graham v. John Deere Co.*, 383 U.S. 1, 148 USPQ 459 (1966), that are applied for establishing a background for determining obviousness under 35 U.S.C. 103(a) are summarized as follows:

1. Determining the scope and contents of the prior art.
2. Ascertaining the differences between the prior art and the claims at issue.
3. Resolving the level of ordinary skill in the pertinent art.
4. Considering objective evidence present in the application indicating obviousness or nonobviousness.

6. Claim 8 is rejected under 35 U.S.C. 103(a) as being unpatentable over Mohammed in view of Halasz et al (6,996,714) hereafter Halasz.

For claim 8, Mohammed disclose all the limitation of the claimed invention except wherein users key in the IP address of the NPBX host, select a security level, and key in a password to confirm the connection between the NPBX host and the IP-based extension.

Halasz from the same or similar fields of endeavor teaches wherein users key in the IP address of the NPBX host (see column 3 line 66 – column 4 line 4, user assigned IP address), select a security level (see column 1 lines 19-23, security level selected depending on which encryption key is used), and key in a password to confirm the connection (see column 7 lines 41-43, login process) between the NPBX host and the IP-based extension.

Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to modify/implement the security features of Halasz in the client/server system of Mohammed by programming the client/server with

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security. The motivation to do so would be so that increased security could be used combat hackers.

***Allowable Subject Matter***

7. Claim 2 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

***Conclusion***

8. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Busey et al (6377644), Mayes et al (5793763), Moura et al (6862264).

**Examiner's Note:** Examiner has cited particular columns and line numbers in the references applied to the claims above for the convenience of the applicant. Although the specified citations are representative of the teachings of the art and are applied to specific limitations within the individual claim, other passages and figures may apply as well. It is respectfully requested from the applicant in preparing responses, to fully consider the references in entirety as potentially teaching all or part of the claimed invention, as well as the context of the passage as taught by the prior art or disclosed by the Examiner.

In the case of amending the claimed invention, Applicant is respectfully requested to indicate the portion(s) of the specification which dictate(s) the structure relied on for proper interpretation and also to verify and ascertain the metes and bounds of the claimed invention.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to LAWRENCE J. BURROWES whose telephone number

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is (571) 270-1419. The examiner can normally be reached on Monday - Thursday 5:30am - 2pm EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Edan D. Orgad can be reached on (571) 272-7884. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

LJB



EDAN D. ORGAD  
SUPERVISORY PATENT EXAMINER

*Edan Orgad 10/15/07*